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- Mease (James, M. D.) Specimens of lead ore from Perkiomen and of minerals from Ireland, collected by Donald Stuart, who collects for the Dublin Society.
- Mugford (Capt. Wm.) A model of his rudder, described in page 208 of this volume.
- Newell (Capt. Andrew) Some rare shells and corals from Sumatra.
- Partridge (Wm.) Specimens of copper ore from Perkiomen.
- Peyrouse (M.) An Indian earthen vase from Upper Louisiana.
- Pichon (L. A.) Disinfecting apparatus of Guyton de Morveau.
- Rogers (Maurice) Specimen of crude platina.
- Ross (Charles) Lava from the Isle of Ascension.
- Rivardi (Major) An Indian hatchet.
- Rose (Robert, M. D.) Minerals, coralines &c. from Niagara &c. and coal from seven counties of Pennsylvania.
- Sansom (Joseph) Two silver medals of Washington, one as Pres. of the U. States, one as Commander in Chief. Engraved by Reich.
- Smith (J. R.) A marble bust of Franklin, executed at Florence.
- Smith (R. Sec. of the Navy of the U. S.) A bronze medal of Comm. Preble. The die engraved by Reich, by order of Government.
- Traquair (A.) Two large specimens of slate from the Penn. quarry
- Tanner (Benj.) An engraved portrait of the R. R. Bishop White.
- Tarascon (L. A.) The lower jaw bone of the Mammoth.
- Vaughan (John) Specimens of native gold from Cabarrus county North Carolina, purer than the standard of the United States.
- Specimens of gypsum from Nova Scotia and France.
- Woodhouse (James, M. D. Late Professor of Chem. in the Univ. of Penn.) By Will,—His collection of minerals.
- Worthington (Thomas) Vitrified substance from an ancient Indian fort.—Chillicothe.

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### WEIGHTS AND MEASURES.

There are deposited in the Cabinet of the Society, by Mr. John Vaughan and by him purchased from Mr. F. R. Hassler (Mathematical Professor at the U. S. Military College, West Point, and a member of the Society.)

1. Exact copies of two French toises, made of small bars of iron. They have been compared with those sent by M. Lalande to Mr. Bird of London, on the occasion of the measurement of a degree in Maryland, by Mason and Dixon.

2. A toise of Canivet bearing the inscription "Toise de France étalonée le 26 Oct. 1768 a 16° de thermometre de Reaumur. On the back of this toise is marked the double length of a pendulum near the equator.

3. An exact French Mètre. It bears the general mark of the Committee of Weights and Measures; being examined by them.

4. A French Kylogramme, also examined by the Committee.

## 5. A Standard Troy pound, carefully compared &amp;c.

These deposits are accompanied by a memoir, stating in detail the result of a number of comparative experiments, to ascertain their accuracy, together with the following books relative to the same subjects, also deposited by M. Vaughan in the Library of the Society.

La figure de la terre déterminée par des observations faites au Cercle Polaire, par M. de Maupertuis, Paris, 1738, 8vo.

Idem, par des observations de M. M. Bouger & de la Condamine aux environs de l'équateur, par M. Bouger, Paris 1749, 4to.

Degré du méridien entre Paris & Amiens, déterminé par la mesure de M. Picard, &c. Paris, 1740, 8vo.

Mesure des trois premiers degrés du méridien dans l'hémisphère austral, par M. de la Condamine, Paris, 1751, 4to.

La méridienne de l'Observ. Roy. de Paris, vérifiée par M. Cassini de Thierry, Paris, 1744, 4to.

Observations astronomiques & physiques faites, pour déterminer la figure de la terre, par Don Geo. Juan & Don A. de Ulloa, Amst. 1842, 4to.

Voyage astron. & géograph. dans l'Etat de l'Eglise, par les P. P. Maire & Boscovich, Paris, 1770, 4to.

Journal d'un voyage au Nord. 1736, 7, par M. Outhier: Paris, 1744, 4to.

Relation de deux voyages en Allemagne par rapport à la figure de la terre &c. par M. Cassini de Thierry, Paris, 1763, 4to.

Rapport fait à l'Inst. Nat. de France sur la mesure de la méridienne de France, avec le discours prononcé, lors de la présentation des étalons prototypes du mètre & du Kilogramme, Paris, l'an. 7, 4to.

Method proposed for determining the relative situation of the R. Observ. of Greenwich & Paris, with observations on the magnitude and figure of the earth, by Major General Wm. Roy, London, 1787, 4to.

Translation into French by M. De Prony, of the methods of measuring the Base at Hounslow Heath by Major General Wm. Roy, Paris 1787, 4to.

An account of the trig. operations employed to determine the difference of the Observ. of Greenwich and Paris, by Maj. Gen. Wm. Roy, 1790, 4to.

Operations faites en France, 1787, pour la jonction des observatoires de Paris & de Greenwich, par Cassini, Mechain, & le Gendre, Paris, 1789, 4to.

Le système des nouvelles mesures de la France mis à la portée de tout le monde, par Aubry, 5me ed. Paris, l'an. 7, 8vo.

Beschreibung der Ausmessungs—methode, welche bey den Danischen geographischen Karten angewendet worden, mit Kupfern, von Thomas Bugge, Dresden, 1787, 4to.

Schriften-Maasse und Gewichte betreffend, der Helvetischen Regierung vorgelegt, 1801, 8vo.

Report of Thomas Jefferson, when Secretary of State, to Congress; on the subject of establishing a uniformity in the weights, measures and coins of the United States, New-York, 1790, 8vo.

*The above may be considered as valuable data, whenever the Government of our country shall undertake the necessary task of establishing a general standard of weights and measures for the United States.*